

Title (en)

Method for production of reduced-scale models of vehicles, and semifinished product and model which can be obtained by means of this method

Title (de)

Verfahren zur Herstellung von Automodellen in verkleinertem Masstab, Halbprodukt und mittels diesem Verfahren hergestelltes Modell

Title (fr)

Procédé de fabrication des modèles à échelle réduite des véhicules, semi-produit et modèle fabriqué par ce procédé

Publication

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Application

EP 98123909 A 19981216

Priority

IT TO971103 A 19971216

Abstract (en)

For each category of vehicle to be reproduced (for example for vehicles in sections A-B, C-D, D-E) one or more semifinished products (3a, 3b) are produced, each comprising a block (4) which is substantially parallelepiped and consists of a material which can easily be machined by milling, for example which is made of plastics, with dimensions, to scale and without requiring a predetermined size allowance, which correspond to the standard dimensions for the category of vehicle to be reproduced; the block is divided transversely in half into two half-blocks (4a, 4b), which are juxtaposed and attached to a milling surface and milled on a first face (10), in order to cut from inside the block (4) one or more cavities (7, 8) and at least one stop surface (11; 13); the two half-blocks are then connected to one another by means of a self-locking coupling, for example of the dovetail type (5), and two inner lateral plates (14), then are turned by 180 DEG and milled on the outer surfaces in order to cut out a style profile (P) which reproduces the required bodywork shape, including the wheel openings (19); at this point, in the case of models which are designed for technical tests, recesses (16, 32, 40) are cut out for the instrumentation, the axles and the air intakes, the plates (14) are removed, and a support plate (20) which is provided with the axles and wheels is inserted against the stop surface (11), whereas models which are designed for display are provided with fixed wheels and a flat base which is fitted against the stop surface (13). <IMAGE>

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CPC (source: EP)

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Citation (search report)

- [A] DE 3711470 A1 19881027 - FRAUNHOFER GES FORSCHUNG [DE]
- [A] US 5231749 A 19930803 - HUTCHISON JOHN H [US]
- [A] DE 19515038 A1 19951123 - SEAT SA [ES]
- [A] EP 0273608 A2 19880706 - FORD MOTOR CO [GB], et al
- [A] DE 4311647 A1 19941013 - BAYERISCHE MOTOREN WERKE AG [DE]

Cited by

CN111801719A; CN105261291A; DE10203364A1; DE10203364B4; WO2020199741A1; WO2019158145A1

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